Docket No. 1565.1

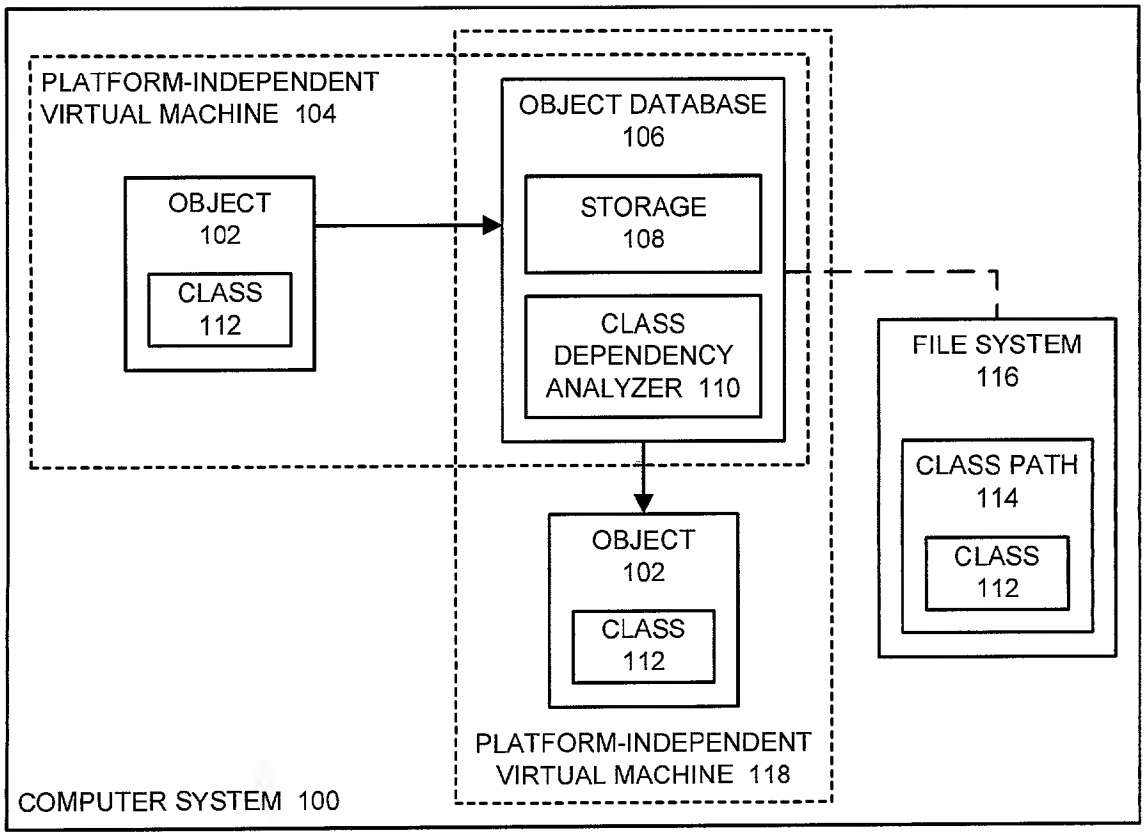

FIG. 1

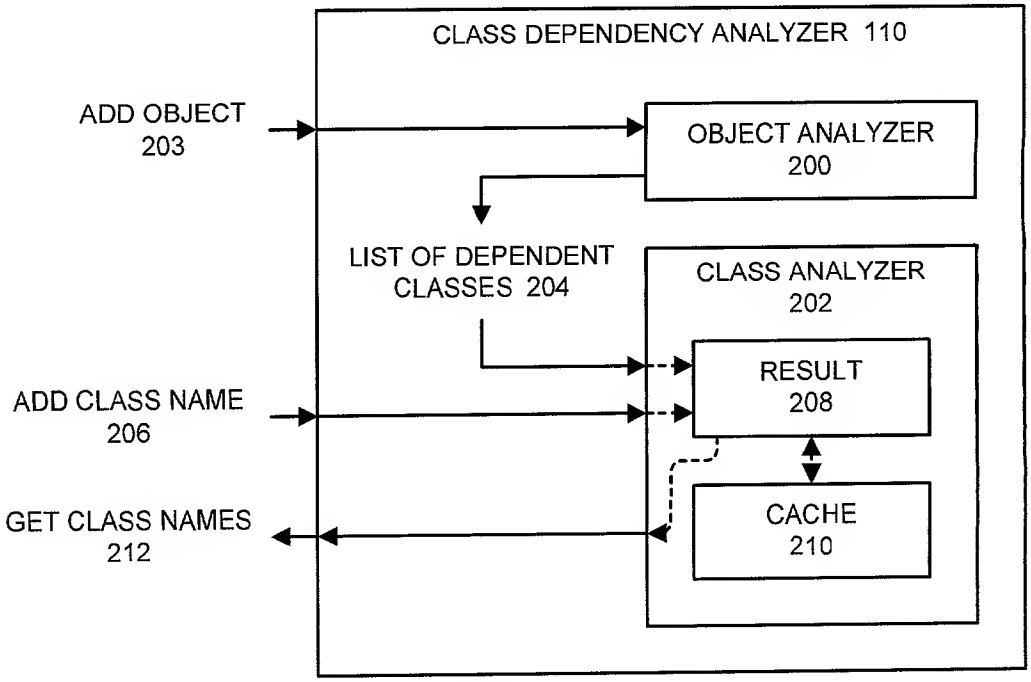

FIG. 2

CACHE: 210

CLASS NAME java.lang.String	Vector(class names required by key) java.lang.Object; java.lang.Integer;

FIG. 3

RESULT: 208

CLASS NAME java.lang.String	CLASS NAMES java.lang.Object; java.lang.Integer;

FIG. 4

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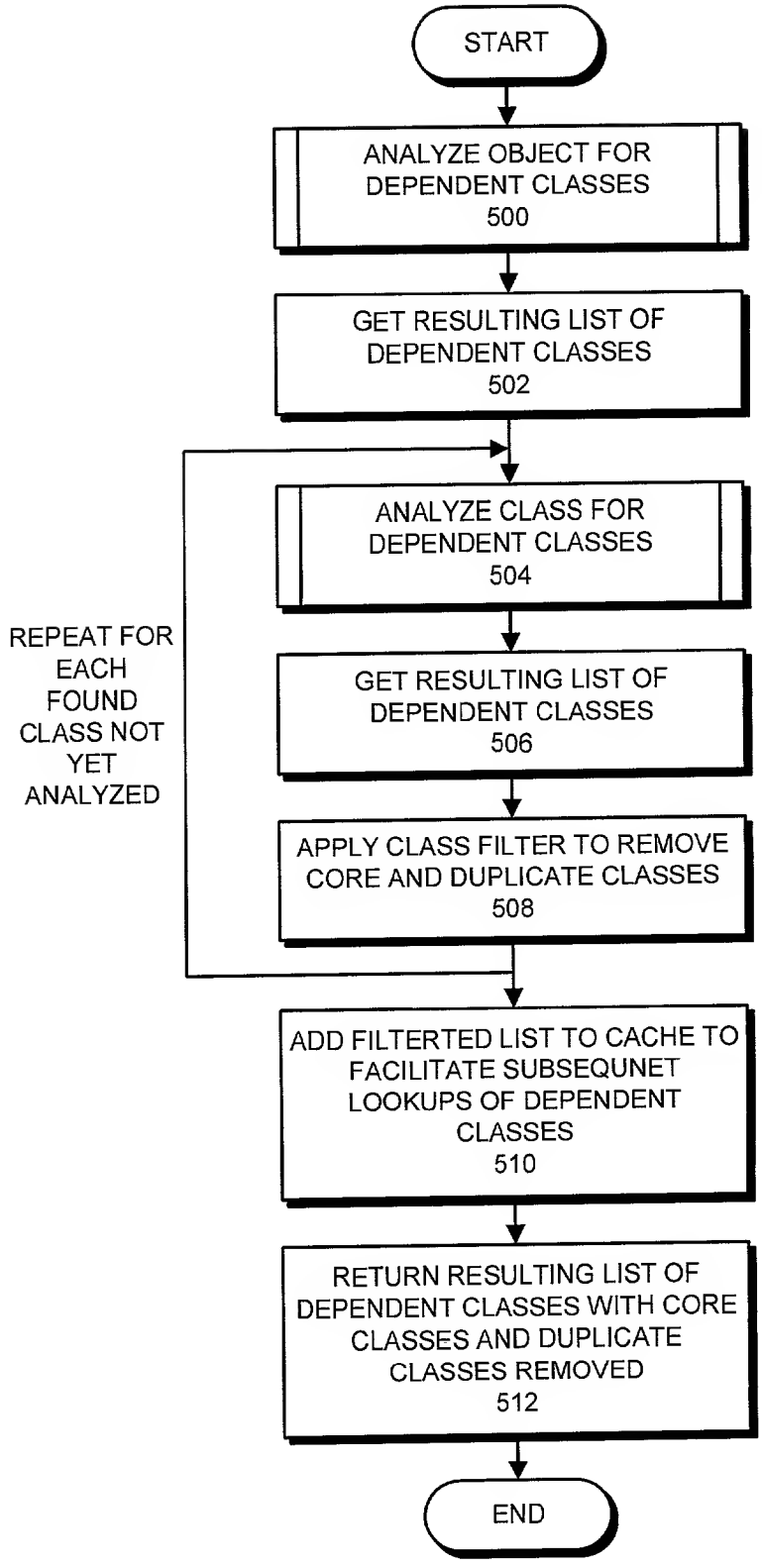
START
ANALYZE OBJECT FOR DEPENDENT CLASSES 500
GET RESULTING LIST OF DEPENDENT CLASSES 502
ANALYZE CLASS FOR DEPENDENT CLASSES 504
GET RESULTING LIST OF DEPENDENT CLASSES 506
APPLY CLASS FILTER TO REMOVE CORE AND DUPLICATE CLASSES 508
REPEAT FOR EACH FOUND CLASS NOT YET ANALYZED
ADD FILTERTED LIST TO CACHE TO FACILITATE SUBSEQUNET LOOKUPS OF DEPENDENT CLASSES 510
RETURN RESULTING LIST OF DEPENDENT CLASSES WITH CORE CLASSES AND DUPLICATE CLASSES REMOVED 512
END

FIG. 5

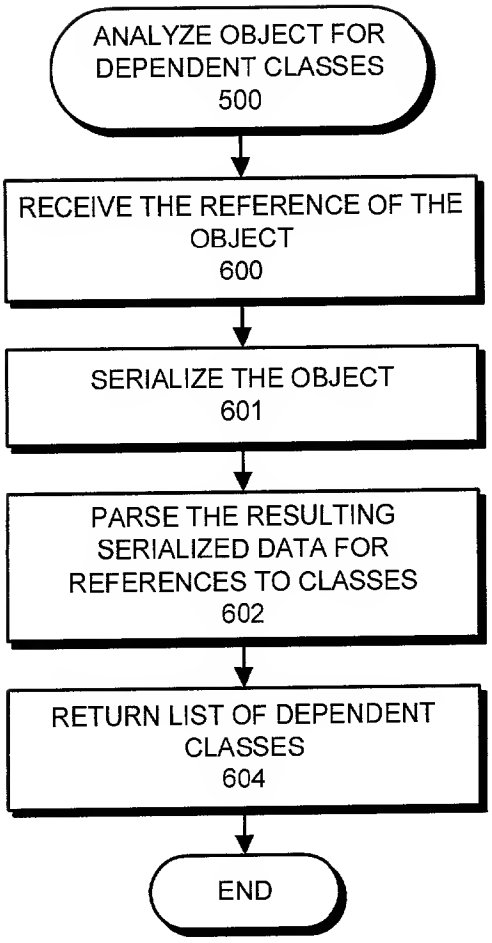
ANALYZE OBJECT FOR DEPENDENT CLASSES
500
RECEIVE THE REFERENCE OF THE OBJECT
600
SERIALIZE THE OBJECT
601
PARSE THE RESULTING SERIALIZED DATA FOR REFERENCES TO CLASSES
602
RETURN LIST OF DEPENDENT CLASSES
604
END

FIG. 6

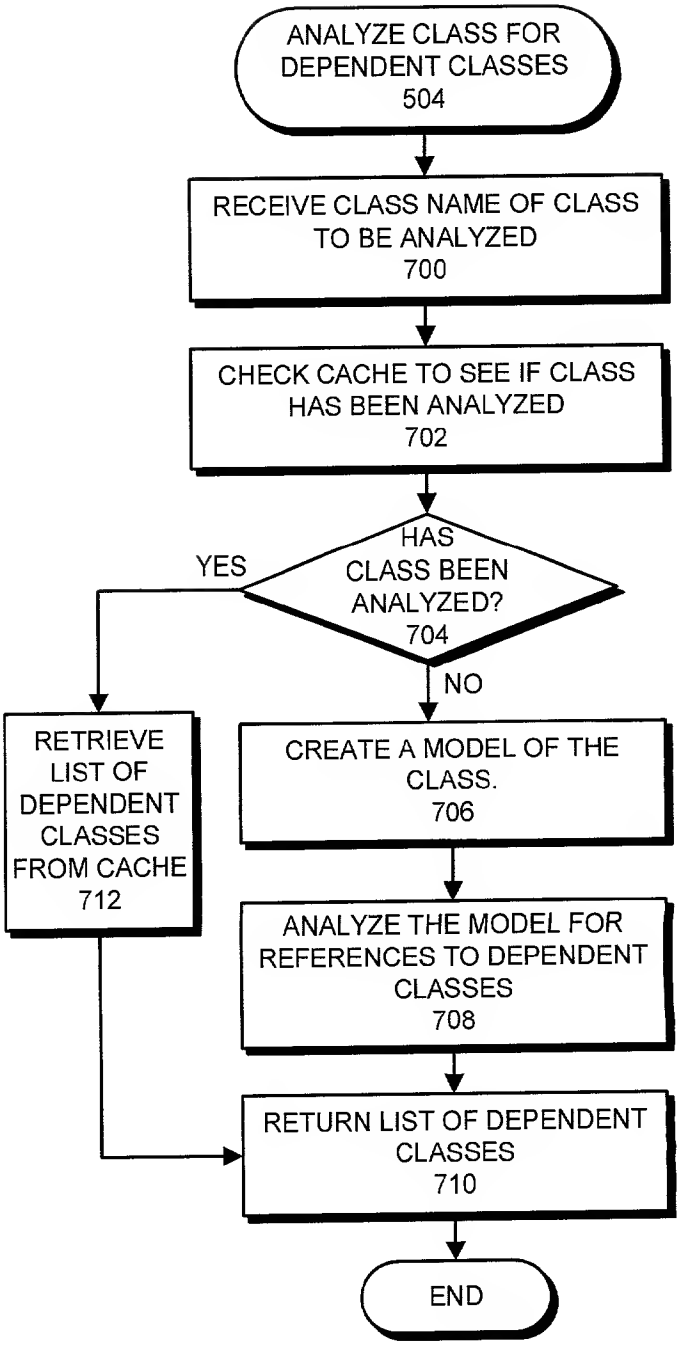
ANALYZE CLASS FOR DEPENDENT CLASSES
504
RECEIVE CLASS NAME OF CLASS TO BE ANALYZED
700
CHECK CACHE TO SEE IF CLASS HAS BEEN ANALYZED
702
HAS CLASS BEEN ANALYZED?
704
YES
NO
RETRIEVE LIST OF DEPENDENT CLASSES FROM CACHE
712
CREATE A MODEL OF THE CLASS.
706
ANALYZE THE MODEL FOR REFERENCES TO DEPENDENT CLASSES
708
RETURN LIST OF DEPENDENT CLASSES
710
END

FIG. 7